

REMARKS

The Office Action of 09/10/2007 has been carefully considered. Reconsideration in view of the foregoing amendments and the present remarks is respectfully requested.

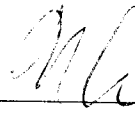
Claims 1, 6, 7, and 9-11 were rejected as being anticipated by Sih (US Patent 6,608,858). The claims have been amended to more clearly distinguish over the cited references. Reconsideration is respectfully requested.

In particular, the frequency compensation methods of Sih and the present invention are distinctly different. In the Sih patent, the frequency offset (i.e., $e(n)$ in Figure 7) is fed back to rotator (i.e., block 706 in Figure 7). Hence, its frequency compensation is done at the sample level. As described in the present specification, on the other hand, the frequency offset is forwarded to construct a compensation signal at the symbol level (see Blocks 22, 24, 25, 14 and 13 in Figure 2 of the present specification). Hence, in the present invention, compensation is done at the symbol level. This method may experience slight performance degradation as compared to Sih, but has much lower complexity.

The claims have been amended to clearly claim this significant difference.

Withdrawal of the rejections and allowance of claims 1-7 and 9-11 is respectfully requested.

Respectfully submitted,

A handwritten signature in dark ink, appearing to be 'M. Ure', written over a horizontal line.

Michael J. Ure, Reg. 33,089

Dated: 1/10/2008